



Industrial Insulation Group, LLC

A Calsiite/Johns Manville Joint Venture

Super Caltemp™ Gold 1700

Block Insulation

Description

Super Caltemp Gold 1700 block insulation is an inorganic, noncombustible material. Chemically, Super Caltemp Gold 1700 features a Xonotlite crystal structure that results in exceptional strength and extremely low water of hydration. Super Caltemp Gold 1700 is composed primarily of lime, silica and reinforcing fibers. The product is gold, essentially dust-free, and contains no asbestos.

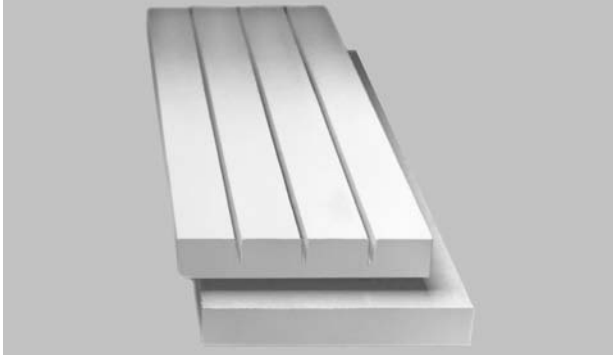
Applications

Applications include curved vessels and large diameter pipes, fire proofing of structural steel, and as refractory backer in furnaces, boilers and kilns. Super Caltemp Gold 1700 may be double layered in the field for greater thicknesses.

Since Super Caltemp Gold 1700 possesses high strength as well as exceptional insulation qualities, it can be readily machined into component parts of many sizes and shapes.

Available Forms

Super Caltemp Gold 1700 is manufactured in 12" x 36" (305 mm x 914 mm) sheets, flat or 3-V scored. Thicknesses range from 1" (25 mm) through 3" (76 mm).



Physical Properties

Density (Average)	18 pcf (288 kg/m ³)
Maximum Recommended Continuous Service Temperature	1700°F (927°C)
Flexural Strength	260 psi (1,793 kPa)
Compressive Strength @ 10% Deformation	450 psi (3,103 kPa)
Moisture Content, Normal Percentage of Dry Weight	4

* Thermo-physical properties shown represent typical average values derived in accordance with accepted test methods subject to normal manufacturing and experimental tolerances.

Standard Sizes

Thickness	1", 1½", 2", 2½", 3" (25, 38, 51, 64, 76 mm)
Sheet Size	12" x 36" (305 mm x 914 mm)
Dimensional Tolerances	
Length and Width	± 1/8" (3 mm)
Thickness	± 1/32" (0.8 mm)

Specification Compliance

- ASTM C 533, Type II
- ASTM E 84: Flame Spread: 0, Smoke Developed: 0
- ASTM E 136: Passes (Noncombustible)
- MIL-I-2819; Class 3

Linear Shrinkage After 24 Hours At Temperature, %

Temperature		Length	Width	Thickness	Weight Loss
°F	°C				
1700	(927)	1.0	1.0	2.1	9.6

Thermal Conductivity ("k")

Mean Temperature		"k"	
°F	°C	Btu • in/(hr • ft ² • °F)	W/m • °C
200	93	.54	0.078
400	204	.61	0.088
600	316	.67	0.096
800	427	.73	0.105

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For technical information and assistance regarding application information, code approvals, and performance specifications, call **1-800-872-0338**.

**For Customer Service
and Order Placement**

(800) 334-7997
Fax: (877) 758-6096

**For Sales
Information**

(800) 866-3234
Fax: (877) 758-6096

**For Technical
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The physical and chemical properties of the Super Caltemp™ Gold 1700 Block Insulation presented herein represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Any references to numerical flame spread or smoke developed ratings are not intended to reflect hazards presented by these or any other materials under actual fire conditions. Check with the Customer Service Office to assure current information. **All Industrial Insulation Group products are sold subject to the IIG Limited Warranty and Limitation of Remedy. For a copy of the IIG Limited Warranty and Limitation of Remedy, call (800) 334-7997.**

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